

## ABSTRACT:

The invention relates to a receiver of signals [S] received from a wireless network, said receiver working at a so-called reference oscillation frequency controlled by a so-called reference value [Vref]. Said receiver includes demodulation means [DEMO] for demodulating the received signal [S], means [EST] of estimating a mean value [MV] of the demodulated signal [SD], means [COR] of correcting the mean value [MV] of the demodulated signal [SD] to the reference value [Vref], decision means [DEC] for determining the binary values adopted by the received signal [S]. According to the invention, the estimation means [EST] include first means [ESTA] of fast extraction of a first mean value [MVA] of the demodulated signal [SD] used in decision means [DEC] during a first time period and second means [ESTB] of slow extraction of a second mean value [MVB] of the demodulated signal [SD] used in correction means [COR] and, during a second time period, in decision means [DEC].

Fig. 1.